
Specifications

Mechanical

BIPC mechanical specifications and associated hardware appear as follows:

BIPC (A0297075)

Size	Width: 14 in. (356 mm)
	Height: 2.5 in. (64 mm)
	Depth: 7 in. (178 mm)
Weight	2.5 lbs (1.6 kg)
Enclosure	all metal

Power Supply (A0297998)

Size	Length: 4.75 in. (121 mm)
	Width: 2.75 in. (70 mm)
	Height: 2.25 in. (57 mm)
Cables	Input: 6 ft (1.8 m), 3-wire, fitted with a UL/CSA approved 3-pin plug
	Output: 7 ft (2.1 m), 5-wire (18 AWG) with strain relief

Electrical

BIPC Electrical specifications and associated equipment appears as follows:

BIPC (A0297075)

Power requirement	+ 5 V dc, 800 mA
	+ 12 V dc, 100 mA
	–12 V dc, 100 mA

Power Supply (A0297998)

Input power	105 to 129 V ac, 57 to 60 Hz
Output power	+ 5 V dc $\pm 5\%$ at 1.0 A
	+ 12 V dc $\pm 5\%$ at 0.2 A
	–12 V dc $\pm 5\%$ at 0.2 A
Ripple and noise	≤ 10 mV ms on all outputs
Regulation	$\leq \pm 5\%$ on all outputs
UL and CSA approved	

RS-232-C interface

The following is a summary of the mechanical and electrical characteristics of the interface between the BIPC and an SDI port:

- Electrical interface: Compatible with EIA Standard RS-232-C
- Operating mode: Full duplex, asynchronous
- Signal logic levels:
 - Space or ON = more positive than + 3 V (binary 0)
 - Mark or OFF = more negative than –3 V (binary 1)
- ASCII character set
- No parity (parity disabled)
- Word framing: 10 bits consisting of the following:
 - 1 START bit
 - 8 DATA bits (Bit 8 is always tied to high)
 - 1 STOP bit

- No message control (logical) protocol (that is, no ENQ, ACK, and so on)
- No data record frame characters
- The SDI port connector is female
- The SDI data port addresses are 00 to 15
- The prompt character is a period (hex 2E)
- The character sequence indicating that a Meridian 1 initiated data stream is as follows:

0DH 0AH 00H 00H 00H 00H 00H 00H (CR LF nul nul nul nul nul nul)

The following is a summary of the mechanical and electrical characteristics of the interface between the BIPC and a PMS port:

- Electrical interface: Compatible with EIA Standard RS-232-C
- Operating mode: Full duplex, asynchronous
- Signal logic levels:
 - Space or ON = more positive than + 3 V (high)
 - Mark or OFF = more negative than –3 V (low)
- Signal form: Compatible with EIA Standard RS404
- Data rate: 110, 134, 150, 300, 600, 1200, 1800, 2400, 3600, 4800, 7200, or 9600, selectable
- Parity: Odd or even (or no parity), selectable
- Word framing:
 - 1 START bit
 - 5, 6, 7, or 8 DATA bits (selectable)
 - 1 PARITY bit
 - 1, 1-1/2, or 2 STOP bits (selectable)
- Maximum message text: 100 bytes
- The PMS port connector is female